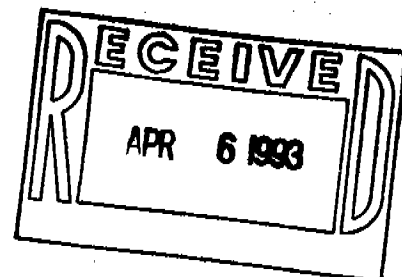


PIEDMONT ENVIRONMENTAL, INC.



Ms. Kelly Gage
Guilford County Emergency Management
P.O. Box 18807
Greensboro, NC 27419

RE: UNDERGROUND HEATING OIL TANK REMOVAL, ST PIUS CHURCH SISTERS'
RESIDENCE, 2206 NORTH ELM ST. GREENSBORO, NC.

INTRODUCTION AND PURPOSE

On March 19, 1993 personnel from Piedmont Environmental, Inc. contractor, and H&B Petroleum Co. visited the captioned site for the purpose of removing one 550-gallon home heating oil tank. The tank was first installed when the house was built, sometime in 1954. It was removed at the request of the Charlotte Catholic Diocese, because it had been in disuse since January 1984. Since this tank was non-commercial, no notice of intent forms were filed with the State or County prior to removal.

LOCATION AND DESCRIPTION

The tank was located at the southwest corner of the sisters' residence, situated at 2206 North Elm St. between the school and the church. It measured 5 1/2 feet long by 4 1/8 feet in diameter. The top of the tank was buried approximately four feet below ground level, necessitating an excavation of approximately 10 feet long, 8 feet wide, and 8 feet deep for removal.

The fill soils in the tank cavity appeared clean with no odor or visual evidence of contamination. The area is apparently a former landfill, because large amounts of household trash, particularly bottles, were found in the excavation.

Two (2) samples were taken from two feet below the base of the tank cavity, 10 feet below grade level, near each end of the tank in what appeared to be native soil. These samples were obtained with a 3-inch bucket auger. The auger was decontaminated with Tri-Sodium Phosphate, de-ionized water and isopropyl alcohol according to state DEHNR guidelines. The samples were collected in new 8-ounce glass jars with teflon lined lids, refrigerated to 4 degrees C. and taken to Guilford Laboratories, Greensboro, NC for analysis by 3550 and 5030 methods. The laboratory analyses and chain of custody are herewith included with this report.


2601 N. Cannon Blvd.
Kannapolis, N.C. 28081
704/938-1604
1-800-235-3006

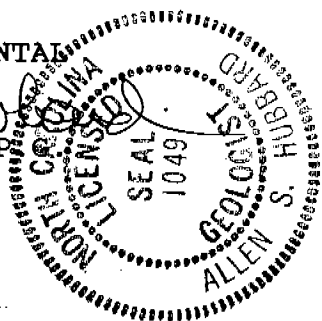
The cavity was backfilled with the excavated soil and added fresh gravel to bring it back to grade level. the tank was taken to saweway tank disposal. A certificate of disposal is included herewith.

OBSERVATIONS AND CONCLUSIONS

The extremely high TPH concentrations are hard to explain, especially when the long period of disuse of the tank is considered. At this time the depth and lateral extent of the contaminant plume is unknown. Piedmont Environmental recommends a site assessment consisting of several soil borings in and around the tank cavity to a depth of 15 feet. These borings will be sampled at 10 and 15 feet. It is necessary to define the extent of contamination, because proximity of house and driveway will render excavation difficult.

Respectfully,
PIEDMONT ENVIRONMENTAL


Allen S. Hubbard, P.
Geologist



TANKS
IN
NC

Return Completed Form To:
The appropriate DEM Regional Office according to the county of the facility's location.
(SEE MAP ON REVERSE SIDE OF OWNER'S COPY (BLUE) FOR REGIONAL
OFFICE ADDRESS).

State Use Only
ID. Number _____
Date Received _____

INSTRUCTIONS

Please complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)

Charlotte Catholic Diocese
Owner Name (Owner, Individual, Public Agency, or Other Entity)
P.O. Box 36776
Street Address
Meeklenburg
County
Charlotte NC 28236
City (704) 327-7441 Zip Code
Area Code Telephone Number

II. Location of Tank(s)

St. Pius X Church
Facility Name or Company
Facility ID # (if available)
Street Address or State Road
2206 N. Elm St.
County City Zip Code
Guilf. Greensboro 27408
Area Code Telephone Number

III. Contact Person

Allen Hubbard Geologist Telephone Number (704) 738-1604
Closure Contractor Piedmont Ew. 2601 N. Cannon Blvd. Kannapolis, NC 28081
Lab Guilford Labs P.O. Box 7135 Plaza Station, Greensboro, NC 27408
(Name) (Address)

IV. UST Information

Tank No.	Size in Gallons	Tank Dimensions	Last Contents
1	550	4'8" x 5'1/2"	#2 Oil

V. Excavation Condition

Water in Excavation		Free Product		Hazardous Gas or Vapor Soil Contamination	
Yes	No	Yes	No	Yes	No
	X		X	X	

VI. Additional Information Required

See reverse side of blue c
(owner's copy) for additio
information required by
N.C. - DEM in the
written report and sketch

VII. Check List

Check the activities completed.

- ☒ Contact local fire marshal
- ☐ Notify DEM Regional Office before abandonment.
- ☐ Drain & flush piping into tank.
- ☒ Remove all product and residuals from tank.
- ☒ Excavate down to tank.
- ☐ Clean and inspect tank.
- ☐ Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
- ☒ Cap or plug all lines except the vent and fill lines.
- ☒ Purge tank of all product & flammable vapors.
- ☒ Cut one or more large holes in the tanks.
- ☒ Backfill the area.

Date Tank Permanently closed: 3/19/93

- ABANDONMENT IN PLACE**
- ☐ Fill tank until material overflows tank opening.
 - ☐ Plug or cap all openings.
 - ☐ Disconnect and cap or remove vent line.
 - ☐ Solid inert material used - please specify: _____

- REMOVAL**
- ☐ Open vent hole
 - ☒ Label tank
 - ☒ Dispose of tank in approved manner
 - Final tank destination: _____

VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative

Allen S. Hubbard, P.G. Geologist

Signature

AS Hubbard

Date Signed

3/31/93

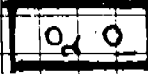
This is a detailed street map of a suburban area in Dallas, Texas. The map is oriented with North at the top. Major roads are shown as thick lines, including Highway 29 running diagonally from the top right to the bottom right. Other roads include Highway 121 running horizontally across the top. The map is divided into several neighborhoods, each labeled in large, bold, black letters: 'THE ORCHARD' in the upper left, 'SUMMIT HILLS' in the upper right, 'SPICEWOOD' in the middle left, 'IRVING PARK' in the lower left, 'O HENRY OAKS' in the center, 'WOODMERE PARK' in the lower right, and 'KINGS FOREST' in the bottom right corner. A large black dot is marked on the map, located near the intersection of Highway 29 and a road labeled 'CANE BOULEVARD'. The map also shows numerous smaller streets, some with names like 'KALON DR.', 'SUMMIT DR.', 'GEORGETTE DR.', 'CANE BOULEVARD', and 'WOODMERE PARK'. The map is a black and white line drawing, typical of a technical drawing or a map for a specific purpose.

6x

CHURCH

PARKING

SISTERS'
RESIDENCE
2206 N. ELM



TANK
CAVITY

SCHOOL

DRIVEWAY

N. ELM ST.

1" = 20'



GUILFORD LABORATORIES, INC.
P.O. Box 9735/Plaza Station/Greensboro, N.C. 27408

03-24-1993

REPORT OF ANALYSIS

Customer : PIEDMONT ENVIRONMENTAL
2601 N. CANNON BLVD
KANNAPOLIS NC 28081
ATTN: ALLEN HUBBARD

Job # : PEV30319

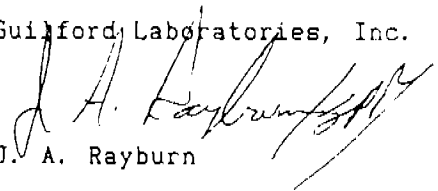
P.O. # :

Samples : # 1813 SOIL STP #1
1814 SOIL STP #2

RESULTS

	1813	1814
TPH as Gasoline by EPA 5030(ppm)	92	65
TPH by EPA 3550 (ppm)	22500	134000

Guilford Laboratories, Inc.


J. A. Rayburn

2006 North Church Street
Greensboro, NC. 27405
(919) 274-2907

PERDUE ENVIRONMENTAL
2601 N. CANNON BLVD
KANNAPOLIS, NC 28081

Bottles Prepared by:

Date / Time

Job Number

CLIENT

Client Phone Number

Sampler's Name

ALLEN HUBBARD

Total Number
Of Containers

Container Inventory
155 JAR

Sample Type: (GW , WW , SW (Soil) Other)
(GW-Ground water / WW-Waste water / SW-Storm water)

(GW-Ground water / WW-Waste water / SW-Storm water)

Filtered (Yes / No)

Preserved (Code)

Refrigerated (Yes / No)

Preserved Code:

A - None
B - HNO_3
C - H_2SO_4
D - NaOH
E -

Comments:

5030, 3550

[illegible]

HAZARDS ASSOCIATED WITH SAMPLES

(For Lab Use Only)

Receipt Temp: 4 °C

Client P.O. Number

Page 1 of 1

Customer	Date <u>March 31, 1993</u>
<u>H B Petroleum</u> <u>1311 Cottrell Williams Rd</u> <u>Charlotte, NC 28216</u>	Transported by: <u>H B</u>

[illegible]

15 feb

United Metal Recyclers on 3/26/93

SAFEWAY TANK DISPOSAL, INC.